

## EAST Search History

| Ref # | Hits  | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|-------|--|---|------------------|---------|------------------|
| L1    | 46621 | (bead or pearl or prill or \$5sphere or microgel) with polymer   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/05/11 08:17 |
| L2    | 262   | ((bead or pearl or prill or \$5sphere or microgel) with polymer) same (specific near gravity)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/05/11 08:18 |
| L3    | 75    | ((bead or pearl or prill or \$5sphere or microgel) with polymer) same (specific near gravity) and (concrete or mortar or slag or slurry or gypsum)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/05/11 09:32 |
| L4    | 3299  | ((bead or pearl or prill or \$5sphere or microgel) with polymer) and (concrete or mortar or slag or slurry or gypsum) and (filler)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/05/11 08:41 |
| L5    | 1371  | ((bead or pearl or prill or \$5sphere or microgel) with polymer) and (concrete or mortar or slag or gypsum) and (filler)                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/05/11 08:41 |
| L6    | 421   | ((bead or pearl or prill or \$5sphere or microgel) with polymer) and (concrete or mortar or slag or gypsum) and ((organic or inorganic) near filler)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/05/11 09:41 |
| L7    | 108   | ((bead or pearl or prill or \$5sphere or microgel) with polymer) and (concrete or mortar or slag or gypsum) and ((organic same inorganic) near filler) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/05/11 08:45 |
| L8    | 1105  | (concrete or mortar or slag or gypsum) and ((organic and inorganic) near filler)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/05/11 08:51 |
| L9    | 10    | (concrete or mortar or slag or gypsum) and ((organic and inorganic) near filler) and superplasticizer  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/05/11 08:47 |

## EAST Search History

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| L10 | 14   | (ashish near dubey)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 08:48 |
| L11 | 14   | (ashish near dubey).in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 08:47 |
| L12 | 1588 | (concrete or mortar or slag or gypsum or cement) and ((organic and inorganic) near filler)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 08:57 |
| L13 | 1    | (concrete or mortar or slag or gypsum or cement) and ((organic and inorganic) near filler) and (superplasticizer same (bead or pearl or \$5sphere or microgel)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 08:53 |
| L14 | 2    | (concrete or mortar or slag or gypsum or cement) and ((organic or inorganic) near filler) and (superplasticizer same (bead or pearl or \$5sphere or microgel))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 08:53 |
| L15 | 1    | (concrete or mortar or slag or gypsum or cement) and ((organic and inorganic) near filler with (low near cost))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 08:58 |
| L16 | 30   | (concrete or mortar or slag or gypsum or cement) and ((organic or inorganic) near filler with (low near cost))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 09:08 |
| L17 | 338  | (concrete or mortar or slag or gypsum or cement) and ((organic or inorganic) near filler same (cost))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 09:09 |
| L18 | 42   | (concrete or mortar or slag or gypsum or cement) and ((organic and inorganic) near filler same (cost))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 09:09 |
| L19 | 9265 | ((bead or pearl or prill or \$5sphere or microgel) with polymer) and (concrete or mortar or slag or slurry or gypsum)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 09:32 |

## EAST Search History

|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| L20 | 2524 | ((bead or pearl or prill or \$5sphere or microgel) with polymer) and (superplasticizer or (dispersing adj agent))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 09:42 |
| L21 | 379  | ((bead or pearl or prill or \$5sphere or microgel) with polymer) same (superplasticizer or (dispersing adj agent))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 09:58 |
| L22 | 2    | ((bead or pearl or prill or \$5sphere or microgel) with polymer) same (superplasticizer or (dispersing adj agent)) and (comb near polymer)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 09:43 |
| L23 | 64   | ((bead or pearl or prill or \$5sphere or microgel) with polymer) same (superplasticizer or (dispersing adj agent))).ab.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 09:59 |
| L25 | 9    | (loris near amathieu).in. (bruno near touzo).in. (lionel near ray near naud).in. (dina near gauthier).in.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 11:10 |
| L26 | 0    | ((loris near amathieu).in. (bruno near touzo).in. (lionel near ray near naud).in. (dina near gauthier).in.) and (superplasticizer)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 11:10 |
| L27 | 308  | (comb with polymer) and (bead or pearl) and (polyethylene adj glycol)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 14:01 |
| L28 | 206  | (comb with polymer) and (bead or pearl) and (polyethylene adj glycol) and (oxypropylene or oxyethylene or (ethylene adj oxide) (propylene adj oxide) or (alkylene adj oxide))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 14:02 |
| L29 | 40   | (comb with polymer) and (bead or pearl) and (polyethylene adj glycol) and (oxypropylene or oxyethylene or (ethylene adj oxide) (propylene adj oxide) or (alkylene adj oxide)) and (concrete or mortar or slag or gypsum or cement) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 14:03 |

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|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| L30 | 14   | (polyethylene adj glycol adj mono<br>adj allyl adj ether)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 14:04 |
| L31 | 10   | ("4885127" "6641658" "3667978"<br>"6930133").pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 14:40 |
| L32 | 2    | ("4855127").pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 14:40 |
| L33 | 2545 | (524/522 524/523 524/272<br>524/290).ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 14:49 |
| L34 | 36   | (524/522 524/523 524/272<br>524/290).ccls. and (comb)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 14:49 |
| L35 | 10   | (524/522 524/523 524/272<br>524/290).ccls. and (comb near<br>polymer)                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 14:50 |
| S1  | 13   | ("6620879" "4880167" "4855127"<br>"4471100" "4158726" "2982749").<br>pn.                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 11:08 |
| S2  | 1    | GB-1482515-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 10:28 |
| S3  | 3    | GB-1329062-\$.did. EP-252463-\$.did.<br>EP-056627-\$.did. WO-200047533-\$.<br>did. JP-5874552-\$.did. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 10:31 |
| S4  | 1    | EP-252463-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 17:19 |

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|     |        |  |   |    |    |                  |
|-----|--------|--|---|----|----|------------------|
| S5  | 1      | WO-200047533-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 11:22 |
| S6  | 0      | EP-056627-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 10:32 |
| S7  | 0      | EP-0056627-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 10:32 |
| S8  | 454299 | (bead or pearl)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 11:23 |
| S9  | 640479 | (bead or pearl or sphere)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 08:16 |
| S10 | 9554   | (bead or pearl or sphere) and<br>(comb)                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 11:23 |
| S11 | 2493   | (bead or pearl or sphere) and<br>(comb) and (hydrophobic or<br>hydrophilic)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 11:23 |
| S12 | 7596   | (bead or pearl) and (comb)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 11:23 |
| S13 | 2111   | (bead or pearl) and (comb) and<br>(hydrophilic or hydrophobic)               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 11:24 |
| S14 | 443    | (bead or pearl) and (comb) and<br>(hydrophilic or hydrophobic) and<br>filler | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 11:26 |

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|     |       |  |   |    |    |                  |
|-----|-------|--|---|----|----|------------------|
| S15 | 152   | (bead or pearl) and (comb with \$4polymer) and (hydrophilic or hydrophobic) and filler | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 11:34 |
| S16 | 20    | (emmanuel near villard).in. (horacio near naranjo).in. (pierre near lyot).in.          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 11:44 |
| S17 | 22    | (comb with polymer) same (bead or pearl)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 11:46 |
| S18 | 605   | (comb with polymer) and (bead or pearl)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 14:00 |
| S19 | 4052  | (comb with polymer)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 11:52 |
| S20 | 1565  | (comb with polymer) and (hydrophobic or hydrophilic)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 11:53 |
| S21 | 2196  | (comb with polymer) and (hydrophobic or hydrophilic or \$4polar)                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 11:55 |
| S22 | 28137 | (oxyethylene or oxypropylene or (ethoxy adj oxide) or (alkoxy adj oxide))              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 11:57 |
| S23 | 287   | S21 and S22  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 13:41 |
| S24 | 26    | S21 and S22 and (bead or pearl)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 12:01 |

## EAST Search History

|     |        |   |   |    |    |                  |
|-----|--------|---|---|----|----|------------------|
| S25 | 689569 | (dispersion or (dispersing near agent))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 12:01 |
| S26 | 640    | (dispersion or (dispersing near agent)) and (comb near polymer)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 12:01 |
| S27 | 117    | (dispersion or (dispersing near agent)) and (comb near polymer) and (bead or pearl)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 12:02 |
| S28 | 69     | (eric near abrutyn).in. (louis near scarfo).in. (richard near chromecek).in.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 12:22 |
| S29 | 30     | (eric near abrutyn).in. (louis near scarfo).in. (richard near chromecek).in. and (comb near polymer)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 12:24 |
| S30 | 211831 | (oxypropylene or oxyethylene or (ethylene adj oxide) (propylene adj oxide) or (alkylene adj oxide))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 13:42 |
| S31 | 36240  | (oxypropylene or oxyethylene or (ethylene adj oxide) (propylene adj oxide) or (alkylene adj oxide)) and (concrete or mortar or slag or slurry or gypsum)                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 13:43 |
| S32 | 45     | ((oxypropylene or oxyethylene or (ethylene adj oxide) (propylene adj oxide) or (alkylene adj oxide)) same (comb near polymer)) and (concrete or mortar or slag or slurry or gypsum) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 18:06 |
| S33 | 2      | ((comb near polymer) same (bead or pearl)) and (concrete or mortar or slag or slurry or gypsum)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 13:50 |

## EAST Search History

|     |        |  |   |    |    |                  |
|-----|--------|--|---|----|----|------------------|
| S34 | 42     | ((comb near polymer) and (bead or pearl)) and (concrete or mortar or slag or slurry or gypsum)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 13:50 |
| S35 | 187211 | (\$6plasticizer or (water near reducer) or (dispersing near agent))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 15:37 |
| S36 | 9585   | (\$6plasticizer or (water near reducer) or (dispersing near agent)) and (oxypropylene or oxyethylene or (ethylene adj oxide) (propylene adj oxide) or (alkylene adj oxide)) and (concrete or mortar or slag or slurry or gypsum)               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 15:38 |
| S37 | 4588   | (\$6plasticizer or (water near reducer) or ((dispersing near agent) same filler)) and (oxypropylene or oxyethylene or (ethylene adj oxide) (propylene adj oxide) or (alkylene adj oxide)) and (concrete or mortar or slag or slurry or gypsum) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 17:40 |
| S38 | 6285   | (dispersing near agent) same (filler)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 15:39 |
| S40 | 7      | (dispersing near agent) same (filler) and (comb near polymer) and (bead or pearl)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 15:40 |
| S41 | 1083   | (dispersing near agent) same (filler) and (bead or pearl)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 15:41 |
| S42 | 453    | (dispersing near agent) same (filler) and (bead or pearl) and (concrete or mortar or slag or slurry or gypsum)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 15:41 |
| S43 | 51     | ((dispersing near agent) same (filler) same (bead or pearl)) and (concrete or mortar or slag or slurry or gypsum)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 15:42 |



## EAST Search History

|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| S44 | 39133 | (bead or pearl or prill) same (polymer)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 17:20 |
| S45 | 24683 | (bead or pearl or prill) with (polymer)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 17:20 |
| S46 | 24    | (bead or pearl or prill) with (polymer) same (comb)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 17:20 |
| S47 | 61    | (bead or pearl or prill) same (polymer) same (comb)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 17:26 |
| S48 | 23    | (dispersing near agent) same (filler) and (comb near polymer)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 17:37 |
| S49 | 1838  | (dispersing near agent) same (bead or pearl or prill)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 17:37 |
| S50 | 119   | (dispersing near agent) same (bead or pearl or prill) same filler   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 17:38 |
| S51 | 4069  | (\$6plasticizer) and (oxypropylene or oxyethylene or (ethylene adj oxide) (propylene adj oxide) or (alkylene adj oxide)) and (concrete or mortar or slag or slurry or gypsum)                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 17:41 |
| S52 | 60    | (\$6plasticizer) and (oxypropylene or oxyethylene or (ethylene adj oxide) (propylene adj oxide) or (alkylene adj oxide)) and (concrete or mortar or slag or slurry or gypsum) and (comb near polymer) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/11 14:38 |

## EAST Search History

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S53 | 21   | ("3865601"   "3885985"   "4375987"   "4477623"   "4529773"   "4542181"   "4876313"   "4916171"   "5294256"   "5314977"   "5326843"   "5328952"   "5348993"   "5403894"   "5451641"   "5519084").PN. OR ("5782972").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2007/05/10 17:45 |
| S54 | 20   | (\$6plasticizer) and (oxypropylene or oxyethylene or (ethylene adj oxide) (propylene adj oxide) or (alkylene adj oxide)) and (concrete or mortar or slag or slurry or gypsum) and (comb near polymer) and filler          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 17:50 |
| S55 | 1437 | (\$6plasticizer) and (oxypropylene or oxyethylene or (ethylene adj oxide) (propylene adj oxide) or (alkylene adj oxide)) and (concrete or mortar or slag or slurry or gypsum) and (bead or pearl or prill)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 17:57 |
| S56 | 52   | (\$6plasticizer) and (oxypropylene or oxyethylene or (ethylene adj oxide) (propylene adj oxide) or (alkylene adj oxide)) and (concrete or mortar or slag or slurry or gypsum) and ((bead or pearl or prill) near polymer) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 17:58 |
| S57 | 235  | (\$6plasticizer) and (oxypropylene or oxyethylene or (ethylene adj oxide) (propylene adj oxide) or (alkylene adj oxide)) and (concrete or mortar or slag or slurry or gypsum) and ((bead or pearl or prill) with polymer) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 17:58 |
| S58 | 2248 | (superplasticizer) or (water adj (reducer or reduction)) and (concrete or mortar or slag or slurry or gypsum)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 18:07 |
| S59 | 1281 | ((superplasticizer) same (oxypropylene or oxyethylene or (ethylene adj oxide) (propylene adj oxide) or (alkylene adj oxide))) or (water adj (reducer or reduction))) and (concrete or mortar or slag or slurry or gypsum) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 18:13 |

## EAST Search History

|     |    |   |   |    |    |                  |
|-----|----|---|---|----|----|------------------|
| S60 | 48 | ((superplasticizer) same (oxypropylene or oxyethylene or (ethylene adj oxide) (propylene adj oxide) or (alkylene adj oxide))) and (concrete or mortar or slag or slurry or gypsum)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 18:09 |
| S61 | 6  | ((superplasticizer) same (oxypropylene or oxyethylene or (ethylene adj oxide) (propylene adj oxide) or (alkylene adj oxide))) or (water adj (reducer or reduction))) and (concrete or mortar or slag or slurry or gypsum) and (bead near polymer) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/10 18:13 |